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Abstract of the Disclosure

The present invention is drawn to compositions for efficient amplification of immunosuppressive activity of cyclosporins, FK506 or rapamycin to decrease the therapeutic dose of immunosuppressants, and as a consequence to avoid their undesirable side effects during organ and tissue transplantation, and treatment of diseases. The compositions of the invention include cyclosporins, FK506 or rapamycin and biologically active peptides corresponding to the high-affinity binding/anti-lymphoproliferative site of INF- α , - β , - ω , - τ or recombinant proteins having the amino acid sequences corresponding to the site.